

Description	Size (mm²)	Voltage Grade (V)	Code Designation
Cu/LSHF	1X35	450/750	H07Z-R

Applicable Standards	Application
BS EN 60228 BS EN 50525-3-41	For indoor fixed installations and it's normally used for power distribution in urban networks. Suitable for laying in conduits as well as in steel support brackets.



Features	Cable Identification	Construction
Conductor Operating Temp. up to 90 °C Conductor Short Circuit Temp. up to 250 °C Flame Retardant acc. to BS EN 60332-1 Smoke emission acc. to BS EN 61034	Insulation Color Green / Yellow Marking Over the Insulation EL SEWEDY CABLES 140/001 BASEC H07Z-R 1X35 mm ² 450/750 V BS EN 50525-3-41 CE Manufacturing Year	Conductor Circular Stranded Compacted Copper (Class 2) Insulation Thermosetting LSHF (EI 5)

Electrical Data		
Conductor Max. DC Resistance at 20°C	0.524	Ω/km
Conductor Max. AC Resistance at 90°C	0.669	Ω/km
Conductor Short Circuit Current for 1 sec.	5	kA
Rated Current (laid in Air) *	171	A
Rated Current (laid in Pipe) *	138	A

General Data		
Nominal Cable Diameter	9.3	mm
Approximate Cable Weight	350	kg/km
Minimum Bending Radius	20 × Outer Diameter	

* Air Temperature = 30 °C , Trefoil Formation

Testing
All routine tests required by BS EN 50525-3-41 will be performed on the cable and a test certificate will be supplied on request.